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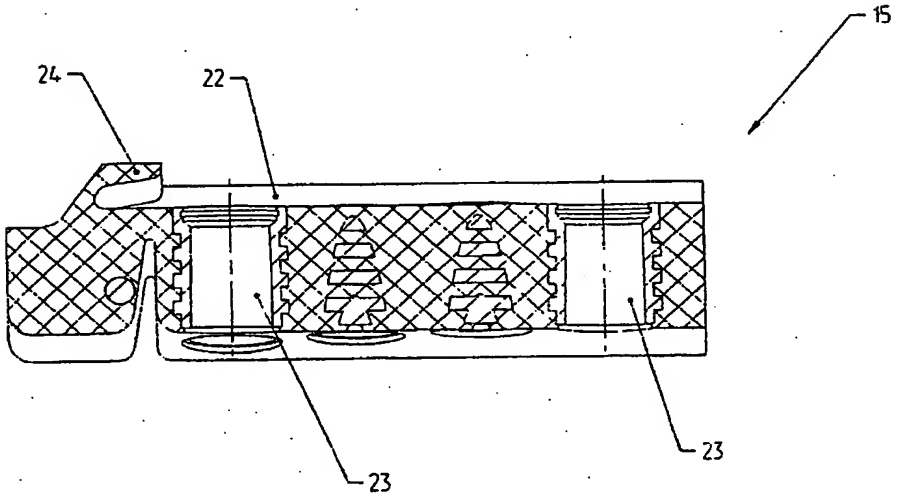
(54) DISPOSITIF PERMETTANT DE MESURER ET DE CONTROLER SANS CAUSER DE DOMMAGES LE MATERIAU DONT EST FAIT UN CONDUIT

(54) DEVICE FOR MEASURING AND NONDESTRUCTIVE INSPECTION OF THE MATERIAL OF A PIPELINE



(57) The present invention relates to a device intended for measuring and for checking without causing any damage the material of a duct (1). This device includes a cylindrical support (3) for sensors (20) which is made of a resilient material and which has an outer diameter slightly larger than the inner diameter of the duct (1). The support (3) is made in the form of a series of holders (15) which are connected to each other on a common flange (16) and which are spring-loaded in a radial direction. Each holder comprises a longitudinal recess (22) in which sensors (20) are arranged. The recess (22) and the wall of the duct (1) define together a channel which is opened at the rear portion of the holder (15). The front wall (24) of the recess (22) has an L-shaped cross section, while the side walls (25) are provided on their periphery with plates (26) made of a resilient material and slightly extending beyond the peripheral sections of said side walls (25). The thickness of the side walls is larger than the thickness of the front wall (24) and of the side plates (26). This devices further includes at least one sealed body (2) which is hinged to the support (3) and bears information processing means connected to the sensors (20), as well as a power supply unit.